

SEQUENCE LISTING

<110> MEDICAL AND BIOLOGICAL LABORATORIES CO., LTD.

<120> Method of isolating monocytes

<130> M3-A0307P

<150> JP 2004-018747

<151> 2004-01-27

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 669

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (1)..(669)

<223>

<400> 1

atg	ccc	tgg	acc	atc	ctg	ctg	ttt	gca	tct	ggc	tcc	ttg	gcc	atc	cct	48
Met	Pro	Trp	Thr	Ile	Leu	Leu	Phe	Ala	Ser	Gly	Ser	Leu	Ala	Ile	Pro	
1				5				10				15				

gca	cca	tcc	atc	tcc	ttg	gtg	ccc	ccc	tac	cca	agc	agc	cac	gag	gac	96
Ala	Pro	Ser	Ile	Ser	Leu	Val	Pro	Pro	Tyr	Pro	Ser	Ser	His	Glu	Asp	
			20				25					30				

ccc	atc	tac	atc	tcg	tgc	aca	gcc	cca	ggg	gac	atc	cta	ggg	gcc	aat	144
Pro	Ile	Tyr	Ile	Ser	Cys	Thr	Ala	Pro	Gly	Asp	Ile	Leu	Gly	Ala	Asn	
			35				40					45				

ttt acc ctg ttc cga ggg gga gag gtg gtc cag cta cta cag gcc ccc	192
Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro	
50 55 60	
tca gat cgg cct gat gta aca ttc aat gtg act ggt ggt ggc agt ggt	240
Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Gly Ser Gly	
65 70 75 80	
ggt ggc ggt gag gct gct ggg ggg aac ttc tgc tgt caa tat ggt gtg	288
Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val	
85 90 95	
atg ggt gag cac agt cag ccc cag ctg tgc gac ttc agc cag cag gtg	336
Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val	
100 105 110	
cag gtc tcc ttc cca gtc ccc acc tgg atc ttg gca ctc tcc ctg agc	384
Gln Val Ser Phe Pro Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser	
115 120 125	
ctg gct gga gct gtg ctg ttc tca ggg ctg gtg gcc atc aca gtg ctg	432
Leu Ala Gly Ala Val Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu	
130 135 140	
gtg aga aaa gct aaa gcc aaa aac tta cag aag cag aga gag cgt gaa	480
Val Arg Lys Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu	
145 150 155 160	
tcc tgc tgg gct cag atc aac ttc acc aat aca gac atg tcc ttt gat	528
Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp	
165 170 175	
aac tct ctg ttt gct atc tcc acg aaa atg act cag gaa gac tca gtg	576
Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val	
180 185 190	

gca acc cta gac tca ggg cct cgg aag agg ccc acc tct gca tca tcc 624
 Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala Ser Ser
 195 200 205

tct ccg gag ccc cct gag ttc agc act ttc cgg gcc tgc cag tga 669
 Ser Pro Glu Pro Pro Glu Phe Ser Thr Phe Arg Ala Cys Gln
 210 215 220

<210> 2
 <211> 222
 <212> PRT
 <213> Mus musculus

<400> 2
 Met Pro Trp Thr Ile Leu Leu Phe Ala Ser Gly Ser Leu Ala Ile Pro
 1 5 10 15

Ala Pro Ser Ile Ser Leu Val Pro Pro Tyr Pro Ser Ser His Glu Asp
 20 25 30

Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn
 35 40 45

Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro
 50 55 60

Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Gly Ser Gly
 65 70 75 80

Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val
 85 90 95

Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val
 100 105 110

Gln Val Ser Phe Pro Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser

115	120	125
Leu Ala Gly Ala Val Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu		
130	135	140
Val Arg Lys Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu		
145	150	155
Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp		
165	170	175
Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val		
180	185	190
Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala Ser Ser		
195	200	205
Ser Pro Glu Pro Pro Glu Phe Ser Thr Phe Arg Ala Cys Gln		
210	215	220

<210> 3
 <211> 579
 <212> DNA
 <213> Mus musculus

<220>
 <221> CDS
 <222> (1).. (579)
 <223>

<400> 3
 atg ccc tgg acc atc ctg ctg ttt gca tct ggc tcc ttg gcc atc cct 48
 Met Pro Trp Thr Ile Leu Leu Phe Ala Ser Gly Ser Leu Ala Ile Pro
 1 5 10 15

gca cca tcc atc tcc ttg gtg ccc ccc tac cca agc agc cac gag gac 96

Ala	Pro	Ser	Ile	Ser	Leu	Val	Pro	Pro	Tyr	Pro	Ser	Ser	His	Glu	Asp		
				20				25					30				
ccc	atc	tac	atc	tcg	tgc	aca	gcc	cca	ggg	gac	atc	cta	ggg	gcc	aat	144	
Pro	Ile	Tyr	Ile	Ser	Cys	Thr	Ala	Pro	Gly	Asp	Ile	Leu	Gly	Ala	Asn		
		35					40					45					
ttt	acc	ctg	ttc	cga	ggg	gga	gag	gtg	gtc	cag	cta	cta	cag	gcc	ccc	192	
Phe	Thr	Leu	Phe	Arg	Gly	Gly	Glu	Val	Val	Gln	Leu	Leu	Gln	Ala	Pro		
		50				55					60						
tca	gat	cgg	cct	gat	gta	aca	ttc	aat	gtg	act	ggg	ggg	ggc	agt	ggg	240	
Ser	Asp	Arg	Pro	Asp	Val	Thr	Phe	Asn	Val	Thr	Gly	Gly	Gly	Ser	Gly		
65					70				75					80			
ggg	ggc	ggg	gag	gct	gct	ggg	ggg	aac	ttc	tgc	tgt	caa	tat	ggg	gtg	288	
Gly	Gly	Gly	Glu	Ala	Ala	Gly	Gly	Asn	Phe	Cys	Cys	Gln	Tyr	Gly	Val		
				85				90					95				
atg	ggg	gag	cac	agt	cag	ccc	cag	ctg	tcg	gac	ttc	agc	cag	cag	gtg	336	
Met	Gly	Glu	His	Ser	Gln	Pro	Gln	Leu	Ser	Asp	Phe	Ser	Gln	Gln	Val		
			100				105						110				
cag	gtc	tcc	ttc	cca	gct	aaa	gcc	aaa	aac	tta	cag	aag	cag	aga	gag	384	
Gln	Val	Ser	Phe	Pro	Ala	Lys	Ala	Lys	Asn	Leu	Gln	Lys	Gln	Arg	Glu		
		115					120					125					
cgt	gaa	tcc	tgc	tgg	gct	cag	atc	aac	ttc	acc	aat	aca	gac	atg	tcc	432	
Arg	Glu	Ser	Cys	Trp	Ala	Gln	Ile	Asn	Phe	Thr	Asn	Thr	Asp	Met	Ser		
	130					135					140						
ttt	gat	aac	tct	ctg	ttt	gct	atc	tcc	acg	aaa	atg	act	cag	gaa	gac	480	
Phe	Asp	Asn	Ser	Leu	Phe	Ala	Ile	Ser	Thr	Lys	Met	Thr	Gln	Glu	Asp		
145					150					155				160			
tca	gtg	gca	acc	cta	gac	tca	ggg	cct	cgg	aag	agg	ccc	acc	tct	gca	528	
Ser	Val	Ala	Thr	Leu	Asp	Ser	Gly	Pro	Arg	Lys	Arg	Pro	Thr	Ser	Ala		

	165	170	175	
tca tcc tct ccg gag ccc cct gag ttc agc act ttc cgg gcc tgc cag				576
Ser Ser Ser Pro Glu Pro Pro Glu Phe Ser Thr Phe Arg Ala Cys Gln				
	180	185	190	

tga		579
-----	--	-----

<210> 4
 <211> 192
 <212> PRT
 <213> Mus musculus

<400> 4	
Met Pro Trp Thr Ile Leu Leu Phe Ala Ser Gly Ser Leu Ala Ile Pro	
1	15

Ala Pro Ser Ile Ser Leu Val Pro Pro Tyr Pro Ser Ser His Glu Asp	
20	30

Pro Ile Tyr Ile Ser Cys Thr Ala Pro Gly Asp Ile Leu Gly Ala Asn	
35	45

Phe Thr Leu Phe Arg Gly Gly Glu Val Val Gln Leu Leu Gln Ala Pro	
50	60

Ser Asp Arg Pro Asp Val Thr Phe Asn Val Thr Gly Gly Gly Ser Gly	
65	80

Gly Gly Gly Glu Ala Ala Gly Gly Asn Phe Cys Cys Gln Tyr Gly Val	
85	95

Met Gly Glu His Ser Gln Pro Gln Leu Ser Asp Phe Ser Gln Gln Val	
100	110

Gln Val Ser Phe Pro Ala Lys Ala Lys Asn Leu Gln Lys Gln Arg Glu	
---	--

115	120	125
Arg Glu Ser Cys Trp Ala Gln Ile Asn Phe Thr Asn Thr Asp Met Ser		
130	135	140
Phe Asp Asn Ser Leu Phe Ala Ile Ser Thr Lys Met Thr Gln Glu Asp		
145	150	155
Ser Val Ala Thr Leu Asp Ser Gly Pro Arg Lys Arg Pro Thr Ser Ala		
165	170	175
Ser Ser Ser Pro Glu Pro Pro Glu Phe Ser Thr Phe Arg Ala Cys Gln		
180	185	190

<210> 5
 <211> 690
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (1)..(690)
 <223>

<400> 5	
atg ccc tgg acc atc ttg ctc ttt gca gct ggc tcc ttg gcg atc cca	48
Met Pro Trp Thr Ile Leu Leu Phe Ala Ala Gly Ser Leu Ala Ile Pro	
1 5 10 15	
gca cca tcc atc cgg ctg gtg ccc ccg tac cca agc agc caa gag gac	96
Ala Pro Ser Ile Arg Leu Val Pro Pro Tyr Pro Ser Ser Gln Glu Asp	
20 25 30	
ccc atc cac atc gca tgc atg gcc cct ggg aac ttc ccg ggg gcg aat	144
Pro Ile His Ile Ala Cys Met Ala Pro Gly Asn Phe Pro Gly Ala Asn	
35 40 45	

ttc aca ctg tat cga ggg ggg cag gtg gtc cag ctc ctg cag gcc ccc	192
Phe Thr Leu Tyr Arg Gly Gly Gln Val Val Gln Leu Leu Gln Ala Pro	
50 55 60	
acg gac cag cgc ggg gtg aca ttt aac ctg agc ggc ggc agc agc aag	240
Thr Asp Gln Arg Gly Val Thr Phe Asn Leu Ser Gly Gly Ser Ser Lys	
65 70 75 80	
gct cca ggg gga ccc ttc cac tgc cag tat gga gtg tta ggt gag ctc	288
Ala Pro Gly Gly Pro Phe His Cys Gln Tyr Gly Val Leu Gly Glu Leu	
85 90 95	
aac cag tcc cag ctg tca gac ctc agc gag ccc gtg aac gtc tcc ttc	336
Asn Gln Ser Gln Leu Ser Asp Leu Ser Glu Pro Val Asn Val Ser Phe	
100 105 110	
cca gtg ccc act tgg atc ttg gtg ctc tcc ctg agc ctg gct ggt gcc	384
Pro Val Pro Thr Trp Ile Leu Val Leu Ser Leu Ser Leu Ala Gly Ala	
115 120 125	
ctc ttc ctc ctt gct ggg ctg gtg gct gtt gcc ctg gtg gtc aga aaa	432
Leu Phe Leu Leu Ala Gly Leu Val Ala Val Ala Leu Val Val Arg Lys	
130 135 140	
gtt aaa ctc aga aat tta cag aag aaa aga gat cga gaa tcc tgc tgg	480
Val Lys Leu Arg Asn Leu Gln Lys Lys Arg Asp Arg Glu Ser Cys Trp	
145 150 155 160	
gcc cag att aac ttc gac agc aca gac atg tcc ttc gat aac tcc ctg	528
Ala Gln Ile Asn Phe Asp Ser Thr Asp Met Ser Phe Asp Asn Ser Leu	
165 170 175	
ttt acc gtc tcc gcg aaa acg atg cca gaa gaa gac ccg gcc acc ttg	576
Phe Thr Val Ser Ala Lys Thr Met Pro Glu Glu Asp Pro Ala Thr Leu	
180 185 190	

gat gat cac tca ggc acc act gcc acc ccc agc aac tcc agg acc cgg 624
Asp Asp His Ser Gly Thr Thr Ala Thr Pro Ser Asn Ser Arg Thr Arg
195 200 205

aag agg ccc act tcc acg tcc tcc tgc cct gag acc ccc gaa ttc agc 672
Lys Arg Pro Thr Ser Thr Ser Ser Ser Pro Glu Thr Pro Glu Phe Ser
210 215 220

act ttc cgg gcc tgc cag 690
Thr Phe Arg Ala Cys Gln
225 230

<210>	6
<211>	230
<212>	PRT
<213>	Homo sapiens

<400> 6
Met Pro Trp Thr Ile Leu Leu Phe Ala Ala Gly Ser Leu Ala Ile Pro
1 5 10 15

Ala Pro Ser Ile Arg Leu Val Pro Pro Tyr Pro Ser Ser Gln Glu Asp
20 25 30

Pro Ile His Ile Ala Cys Met Ala Pro Gly Asn Phe Pro Gly Ala Asn
35 40 45

Phe Thr Leu Tyr Arg Gly Gly Gln Val Val Gln Leu Leu Gln Ala Pro
50 55 60

Thr Asp Gln Arg Gly Val Thr Phe Asn Leu Ser Gly Gly Ser Ser Lys
65 70 75 80

Ala Pro Gly Gly Pro Phe His Cys Gln Tyr Gly Val Leu Gly Glu Leu
85 90 95

Asn Gln Ser Gln Leu Ser Asp Leu Ser Glu Pro Val Asn Val Ser Phe
 100 105 110

Pro Val Pro Thr Trp Ile Leu Val Leu Ser Leu Ser Leu Ala Gly Ala
 115 120 125

Leu Phe Leu Leu Ala Gly Leu Val Ala Val Ala Leu Val Val Arg Lys
 130 135 140

Val Lys Leu Arg Asn Leu Gln Lys Lys Arg Asp Arg Glu Ser Cys Trp
 145 150 155 160

Ala Gln Ile Asn Phe Asp Ser Thr Asp Met Ser Phe Asp Asn Ser Leu
 165 170 175

Phe Thr Val Ser Ala Lys Thr Met Pro Glu Glu Asp Pro Ala Thr Leu
 180 185 190

Asp Asp His Ser Gly Thr Thr Ala Thr Pro Ser Asn Ser Arg Thr Arg
 195 200 205

Lys Arg Pro Thr Ser Thr Ser Ser Ser Pro Glu Thr Pro Glu Phe Ser
 210 215 220

Thr Phe Arg Ala Cys Gln
 225 230